



HyDRO 2.0


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2016 GHRC User Working Group Meeting
Sept 20-21, 2016



Why HyDRO 2.0?

- Updated GHRC infrastructure
- New database with service interface
- Easier to narrow down searches
- Updated results page
- Easy to use



GPM Ground Validation Two-Dimensional Video Disdrometer (2DVD) IPHEX

The Two-Dimensional Video Disdrometer (2DVD) data was collected during the GPM Ground Validation Integrated Precipitation and Hydrology Experiment (IPHEX) held in North Carolina. Collected from five sites the data contains daily ascii files with information on individual hydrometers including the number of hydrometers, raindrop size distribution, and particle concentration. Overall data dates range from 23 April 2014 through 17 June 2014; exact dates may vary per site.
Please include the following citation in your publications:

Petersen, Walter A, Ali Tokay, Patrick N Gatlin and Matthew T Wingo. 2014. *GPM Ground Validation Two-Dimensional Video Disdrometer (2DVD) IPHEX* [indicate subset used]. Dataset available online from the NASA Global Hydrology Resource Center DAAC, Huntsville, Alabama, U.S.A.
DOI: <http://dx.doi.org/10.5067/IPHEX/2DVD/DATA301>

[Click here for the citation in RIS format.](#)

[Download Data](#)


In order to increase security for NASA EOSDIS users and to provide a more uniform experience across data offerings, EOSDIS is making a change to the way in which NASA Earth Science data are downloaded. You now need to [create and use an Earthdata Login](#) to download or order GHRC data. Please read our [Earthdata Login recipe page](#) for help and additional information.

General Characteristics

Publication date: 2014-11-13
Version: 1
Collections: GPM-GV IPHEX Products
Projects: IPHEX
Platforms: GROUND-BASED OBSERVATIONS
Instruments: 2DVD, DISDROMETERS
Terms: PRECIPITATION
Processing level: 3
Format: ASCII

Coverage

Location: NORTH CAROLINA
Spatial resolution: point
North boundary: 35.59°
West boundary: -83.1°
East boundary: -82.06°
South boundary: 35.23°
Temporal resolution: DAILY
Start date: 2014-04-23
Stop date: 2014-06-17

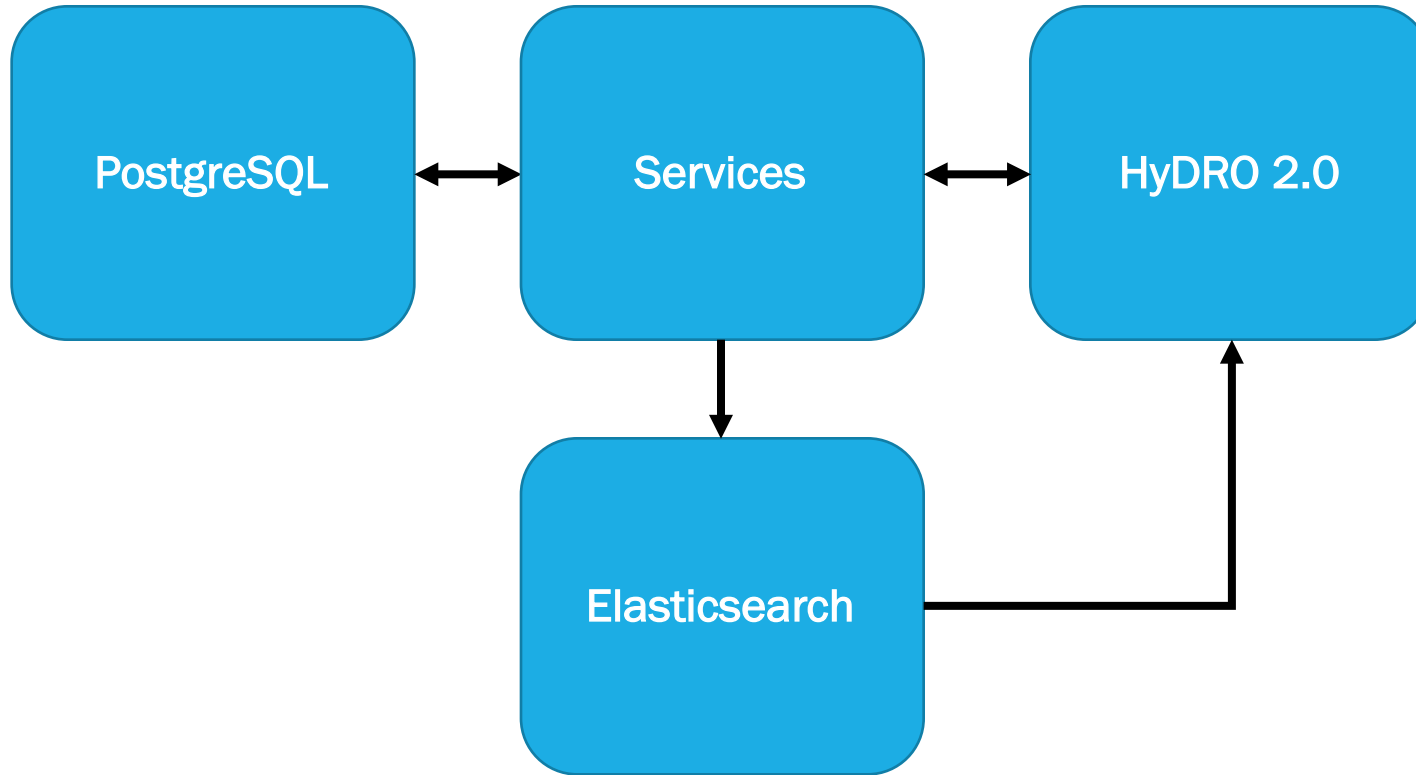


Red dots or areas indicate coverage range.

Links

Data Access: https://fcportal.nsstc.nasa.gov/pub/gpm_validation/iphex/disdrometers_and_gauges/2dvd/data/
Files may be downloaded directly to your workstation from this link
Guide: http://ghrc.nsstc.nasa.gov/uso/ds_docs/gpmgv/2dvd/gpm_2dvd_campaign_dataset.html
The guide document contains detailed information about the dataset
PI Documentation: http://ghrc.nsstc.nasa.gov/uso/ds_docs/gpmgv/2dvd/DataFormat_2dvd_iphex.pdf
IPHEX Field Campaign Data Format Documentation April 2014 - June 2014
Homepage: <http://gpm.nsstc.nasa.gov/iphex>
The home page for the project or program which sponsored the dataset
DOI: <http://dx.doi.org/10.5067/IPHEX/2DVD/DATA301>
Digital Object Identifier
Citing data: <https://ghrc.nsstc.nasa.gov/home/about-ghrc/citing-ghrc-daac-data>
Instructions for citing GHRC data.

[Add to order](#) [Close window](#)



New Components

New Features

- Service access to database
- Elasticsearch-based index
- Full metadata content search
- Faceted search
- Spatial queries
 - PostGIS
- Simpler UI
 - Similar look and feel to HyDRO

Status of HyDRO 2.0

- Production Release Date: January 2017
- PostgreSQL transition will be completed by December 2016

Search Dataset ...

177 results found in 2ms

Relevance

Clear all filters

North
Q 90

South
Q -90

West
Q -180




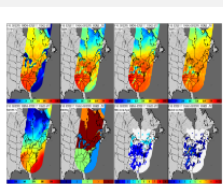

East
Q 180

From :
1973-05-31

To :

Collections

All	177
AMPR Products	6
CAMEX-3 Products	6
CAMEX-4 Products	13
Case Study Collections	1
GPM-GV GCPEx Products	44
GPM-GV IFloodS Products	12
GPM-GV IPHEX Products	15
GPM-GV LPVEx Products	8
GPM-GV MC3E Products	36
GPM-GV NSSTC-Huntsville Products	3
GPM_GV Related Products	8
GRIP Products	9
Hurricane Science	33
Hurricane and Severe Storm Sentinel (HS3) Products	4
Lightning Products	15
Microwave Remote Sensing Products	4

Browse images	Dataset Description
	Dataset name: GPM Ground Validation Vaisala Ceilometer IPHEX Keyword: AIR QUALITY,CLOUDS,LIDAR Location: NORTH CAROLINA Start date: 2014-05-06 Stop date: 2014-06-16 Links: 1 Download Share
	Dataset name: GPM Ground Validation KINX NEXRAD MC3E Keyword: RADAR Location: OKLAHOMA Start date: 2011-04-22 Stop date: 2011-06-06 Links: 1 Download Share
	Dataset name: GPM Ground Validation Mission Reports GCPEx Keyword: CLOUDS,PRECIPITATION Location: ONTARIO, CANADA Start date: 2011-09-04 Stop date: 2012-05-11 Links: 1 Download Share
	Dataset name: GPM Ground Validation Composite Satellite Overpasses GCPEx Keyword: ATMOSPHERIC TEMPERATURE,ATMOSPHERIC WATER VAPOR,PRECIPITATION Location: ONTARIO, CANADA Start date: 2012-01-17 Stop date: 2012-02-29 Links: 1 Download Share
	Dataset name: GPM Ground Validation Pawnee Radar MC3E

Try it Out:

<https://ghrcdev.nsstc.nasa.gov/hydro2.0/>



THANK YOU!

Discussion

Are there different functionalities that could be added to HyDRO 2.0 that would make finding data easier for you?

Are there any features currently offered in HyDRO 2.0 that you feel are unnecessary?

<https://goo.gl/forms/HrmylaNzcD0Z3IAh1>

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